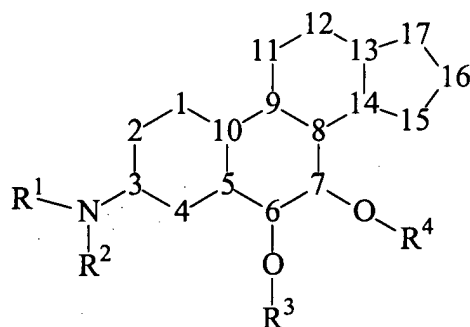


**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A compound of the formula



and pharmaceutically acceptable salts, solvates, and stereoisomers ~~and prodrugs~~ thereof, in isolation or in mixture, where independently at each occurrence:

R<sup>1</sup> and R<sup>2</sup> are selected from hydrogen, oxygen so as to form nitro or oxime, amino, sulfur so as to form -SO<sub>3</sub>-R or -SO<sub>2</sub>-R wherein R is selected from H and organic groups having 1-30 carbons optionally containing 1-6 heteroatoms selected from nitrogen, oxygen, phosphorous, silicon and sulfur, and organic groups having 1-30 carbons and optionally containing 1-6 heteroatoms selected from nitrogen, oxygen, phosphorous, silicon, and sulfur, where R<sup>2</sup> may be a direct bond to numeral 3, ~~or R<sup>1</sup> and R<sup>2</sup> may, together with the N to which they are both bonded, form a heterocyclic structure that may be part of an organic group having 1-30 carbons and optionally containing 1-6 heteroatoms selected from nitrogen, oxygen and silicon; or R<sup>1</sup> may be a 2 or 3 atom chain to numeral 2 so that N-R<sup>1</sup> forms part of a fused bicyclic structure to ring A;~~

R<sup>3</sup> and R<sup>4</sup> are selected from direct bonds to the carbon at numeral 6 and the carbon at numeral 7 respectively so as to form carbonyl groups, hydrogen, or a protecting group such that R<sup>3</sup> and/or R<sup>4</sup> is part of hydroxyl or carbonyl protecting group;

numerals 1 through 17 each represent a carbon, ~~where;~~

the carbons at numerals 1, 2, 4, 11, 12, 15, 16 and 17 may be independently substituted with  $-C(R^5)(R^5)(C(R^5)(R^5))_n-$  and  $-(O(C(R^5)(R^5))_nO)-$  wherein n ranges from 1 to about 6;

(a) ~~one of:  $=O$ ,  $=C(R^5)(R^5)$ ,  $=C=C(R^5)(R^5)$ ,  $-C(R^5)(R^5)(C(R^5)(R^5))_n-$  and  $-(O(C(R^5)(R^5))_nO)-$  wherein n ranges from 1 to about 6; or~~

(b) ~~two of the following, which are independently selected:  $-X$ ,  $-N(R^1)(R^2)$ ,  $-R^5$  and  $-OR^6$ ;~~

and ~~where~~ the carbons at numerals 5, 8, 9, 10, 13 and 14 may be independently substituted with one of  $-X$ ,  $-R^5$ ,  $-N(R^1)(R^2)$  or  $-OR^6$ ;

in addition to the  $-OR^3$  and  $-OR^4$  groups as shown, each of the carbons at numerals 6 and 7 may be independently substituted with one of  $-X$ ,  $-N(R^1)(R^2)$ ,  $-R^5$  or  $-OR^6$ ;

each of rings A, B, C and D is independently fully saturated, partially saturated or fully unsaturated;

$R^5$  at each occurrence is independently selected from H, X, and  $C_{1-30}$  organic moiety that may optionally contain at least one heteroatom selected from the group consisting of boron, halogen, nitrogen, oxygen, silicon and sulfur; where two geminal  $R^5$  groups may together form a ring with the carbon atom to which they are both bonded;

$R^6$  is H or a protecting group such that  $-OR^6$  is a protected hydroxyl group, where vicinal  $-OR^6$  groups may together form a cyclic structure that protects vicinal hydroxyl groups, and where geminal  $-OR^6$  groups may together form a cyclic structure that protects a carbonyl group; and

X represents fluoride, chloride, bromide and iodide.

2. (Currently Amended) A compound of claim 1 wherein:

~~numerals 1 through 16 each represent a carbon, where~~ the carbons at numerals 1, 2, 4, 11, 12, 15 and 16 may be independently substituted with

(a) one of:  $=O$ ,  $=C(R^5)(R^5)$ ,  $=C=C(R^5)(R^5)$ ,  $-C(R^5)(R^5)(C(R^5)(R^5))_n$ - and  $-(O(C(R^5)(R^5))_nO)-$  wherein  $n$  ranges from 1 to about 6; or

(b) two of the following, which are independently selected:  $-X$ ,  $-N(R^1)(R^2)$ ,  $-R^5$  and  $-OR^6$ ; and

~~the carbon at numeral 17 represents a carbon is substituted with~~  
 ~~$-C(R^5)(R^5)(C(R^5)(R^5))_n$  wherein  $n$  ranges from 1 to about 6;~~

~~(a) one of:  $=C(R^{5a})(R^{5a})$ ,  $=C=C(R^{5a})(R^{5a})$ , and~~  
 ~~$-C(R^{5a})(R^{5a})(C(R^{5a})(R^{5a}))_n$  wherein  $n$  ranges from 1 to about 6; or~~

~~(b) two of the following, which are independently selected:  $-X$ ,~~  
 ~~$-N(R^1)(R^2)$ , and  $-R^{5a}$ ;~~

where  $R^{5a}$  at each occurrence is independently selected from H, X, and  $C_{1-30}$  organic moiety that may optionally contain at least one heteroatom selected from the group consisting of boron, halogen, nitrogen, silicon and sulfur; where two geminal  $R^5$  groups may together form a ring with the carbon atom to which they are both bonded.

3. (Currently Amended) A compound of claim 2 wherein  $R^{5a}$ - $R^5$  at each occurrence is independently selected from  $C_{1-30}$  hydrocarbon,  $C_{1-30}$  halocarbon,  $C_{1-30}$  hydrohalocarbon, H, and X.

4. (Currently Amended) A compound of claim 2 wherein  $R^{5a}$ - $R^5$  at each occurrence is independently selected from  $C_{1-10}$  hydrocarbon,  $C_{1-10}$  halocarbon,  $C_{1-10}$  hydrohalocarbon, H, and X.

5. (Cancelled)

6. (Currently Amended) A compound of claim 1 wherein:  
 carbons at numerals 1, 2, 4, 11, 12, 15 and 16 are each substituted with two hydrogens unless said carbon is part of an unsaturated bond;

carbons at numerals 5, 8, 9 and 14 are each substituted with one hydrogen unless said carbon is part of an unsaturated bond;

carbon at numeral 10 is substituted with methyl; and

carbon at ~~number~~numeral 13 is substituted with methyl unless ~~it~~said carbon is part of an unsaturated bond.

7. (Currently Amended) A compound of claim 1 wherein:

carbons at numerals 1, 2, 4, 11, 12, 15 and 16 are each substituted with two hydrogens;

carbons at numerals 5, 8, 9 and 14 are each substituted with one hydrogen;

carbon at numeral 10 is substituted with methyl; and

carbon at ~~number~~numeral 13 is substituted with methyl unless ~~it~~said carbon is part of an unsaturated bond.

8. (Currently Amended) A compound of claim 1 wherein:

R<sup>1</sup> and R<sup>2</sup> are hydrogen;

R<sup>3</sup> and R<sup>4</sup> are selected from direct bonds to the carbon at numeral 6 and the carbon at numeral 7 respectively so as to form carbonyl groups, hydrogen, or a protecting group such that R<sup>3</sup> and/or R<sup>4</sup> is part of hydroxyl or carbonyl protecting group; and in addition to the -OR<sup>3</sup> and -OR<sup>4</sup> groups as shown, each of carbons at numerals 6 and 7 is substituted with hydrogen unless ~~precluded because~~ -OR<sup>3</sup> or -OR<sup>4</sup> represent a carbonyl group;

carbons at numerals 1, 2, 4, 11, 12, 15 and 16 are each substituted with two hydrogens unless said carbon is part of an unsaturated bond;

carbons at numerals 5, 8, 9 and 14 are each substituted with one hydrogen unless said carbon is part of an unsaturated bond;

carbon at numeral 10 is substituted with methyl;

carbon at ~~number~~numeral 13 is substituted with methyl unless ~~it~~said carbon is part of an unsaturated bond;

carbon at numeral 17 is substituted with  $\text{-C(R}^5\text{)(R}^5\text{)(C(R}^5\text{)(R}^5\text{))}_n\text{-}$  and  $\text{-O(C(R}^5\text{)(R}^5\text{))}_n\text{O-}$  wherein n ranges from 1 to about 6;

(a) ~~one of:  $\text{-O-}$ ,  $\text{-C(R}^5\text{)(R}^5\text{)-}$ ,  $\text{-C=C(R}^5\text{)(R}^5\text{)-}$ ,  $\text{-C(R}^5\text{)(R}^5\text{)(C(R}^5\text{)(R}^5\text{))}_n\text{-}$  and  $\text{-O(C(R}^5\text{)(R}^5\text{))}_n\text{O-}$  wherein n ranges from 1 to about 6; or~~

(b) ~~two of the following, which are independently selected:  $\text{-X-}$ ,  $\text{-N(R}^1\text{)(R}^2\text{)-}$ ,  $\text{-R}^5$  and  $\text{-OR}^6$ ;~~

each of rings A, B, C and D is independently fully saturated, partially saturated or fully unsaturated;

$\text{R}^5$  at each occurrence is independently selected from H, X, and  $\text{C}_{1-30}$  organic moiety that may optionally contain at least one heteroatom selected from the group consisting of boron, halogen, nitrogen, oxygen, silicon and sulfur; where two geminal  $\text{R}^5$  groups may together form a ring with the carbon atom to which they are both bonded;

$\text{R}^6$  is H or a protecting group such that  $\text{-OR}^6$  is a protected hydroxyl group, where vicinal  $\text{-OR}^6$  groups may together form a cyclic structure that protects vicinal hydroxyl groups, and where geminal  $\text{-OR}^6$  groups may together form a cyclic structure that protects a carbonyl group; and

X represents fluoride, chloride, bromide and iodide.

9. (Currently Amended) A compound of claim 8 wherein:

$\text{R}^1$  and  $\text{R}^2$  are hydrogen;

$\text{R}^3$  and  $\text{R}^4$  are selected from hydrogen and protecting groups such that  $\text{R}^3$  and/or  $\text{R}^4$  is part of hydroxyl protecting group;

carbons at numerals 1, 2, 4, 11, 12, 15 and 16 are each substituted with two hydrogens;

carbons at numerals 5, 8, 9 and 14 are each substituted with one hydrogen;

carbon at numeral 10 is substituted with methyl;

carbon at ~~number~~ numeral 13 is substituted with methyl unless it is part of an unsaturated bond;

~~carbon at numeral 17 is substituted with~~

(a) ~~one of:  $=C(R^5)(R^5)$  and  $=C=C(R^5)(R^5)$ ; or~~

(b) ~~two of the following, which are independently selected:  $-X$ ,  
 $-N(R^1)(R^2)$ , and  $-R^5$ ;~~

each of rings A, B, C and D is independently fully saturated or partially saturated;

$R^5$  at each occurrence is independently selected from H, X, and  $C_{1-30}$

hydrocarbons, halocarbons and halohydrocarbons; and

X represents fluoride, chloride, bromide and iodide.

10. (Currently Amended) A compound of claim 9 wherein:

$R^1$  and  $R^2$  are hydrogen;

$R^3$  and  $R^4$  are selected from hydrogen and protecting groups such that  $R^3$  and/or

$R^4$  is part of hydroxyl protecting group;

carbons at numerals 1, 2, 4, 11, 12, 15 and 16 are each substituted with two

hydrogens;

carbons at numerals 5, 8, 9 and 14 are each substituted with one hydrogen;

carbon at numeral 10 is substituted with methyl;

carbon at ~~number~~numeral 13 is substituted with methyl unless it is part of an

unsaturated bond;

~~carbon at numeral 17 is substituted with~~

(a) ~~one of:  $=C(R^5)(R^5)$ ; or~~

(b) ~~two of  $-R^5$ ;~~

~~each of rings A, B, C and D is independently fully saturated or partially saturated;~~

and

$R^5$  at each occurrence is independently selected from H and  $C_{1-10}$  hydrocarbons.

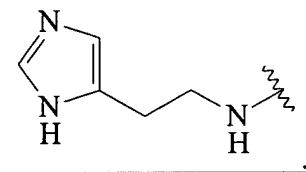
11.-19. (Cancelled)

20. (Original) A compound of claim 1 wherein  $R^1$  is selected from  $-C(=O)-R^7$ ,  $-C(=O)NH-R^7$ ;  $-SO_2-R^7$ ; wherein  $R^7$  is selected from alkyl, heteroalkyl, aryl and heteroaryl.

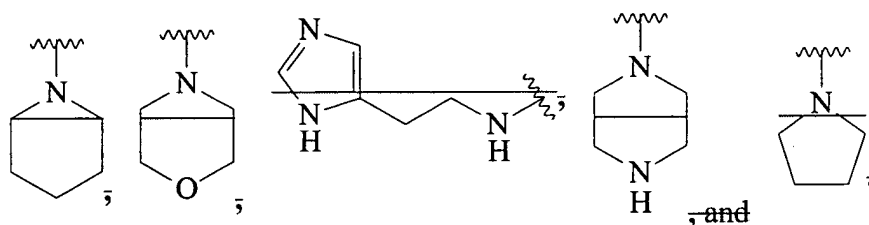
21. (Original) A compound of claim 20 wherein  $R^7$  is selected from  $C_{1-10}$ hydrocarbaryl.

22. (Original) A compound of claim 20 wherein  $R^7$  comprises biotin.

23. (Currently Amended) A compound of claim 1 wherein  $(R^1)(R^2)N-$  is



~~selected from~~



24. (Original) A compound of claim 1 wherein  $R^1$  is hydrogen and  $R^2$  comprises a carbocycle.

25. (Original) A compound of claim 24 wherein the carbocycle is phenyl.

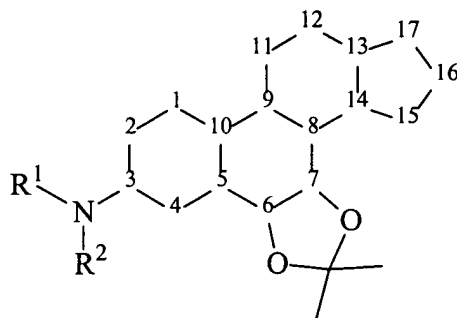
26. (Original) A compound of claim 25 wherein  $R^2$  is selected from 3-methylphenyl; 4-hydroxyphenyl; and 4-sulfonamidephenyl.

27. (Original) A compound of claim 1 wherein  $R^1$  is hydrogen and  $R^2$  comprises a  $C_{1-10}$ hydrocarbonyl.
28. (Original) A compound of claim 1 wherein  $R^1$  is hydrogen and  $R^2$  is heteroalkyl.
29. (Original) A compound of claim 28 wherein  $R^2$  is selected from  $C_{1-10}$ alkyl-W- $C_{1-10}$ alkylene- wherein W is selected from O and NH; HO- $C_{1-10}$ alkylene-; and HO- $C_{1-10}$ alkylene-W- $C_{1-10}$ alkylene- where W is selected from O and NH.
30. (Original) A compound of claim 1 wherein  $R^1$  is hydrogen and  $R^2$  is  $-CH_2-R^7$  wherein  $R^7$  is selected from alkyl, heteroalkyl, aryl and heteroaryl.
31. (Original) A compound of claim 30 wherein  $R^7$  is selected from alkyl-substituted phenyl; halogen-substituted phenyl; alkoxy-substituted phenyl; aryloxy-substituted phenyl; and nitro-substituted phenyl.
32. (Original) A compound of claim 1 wherein each of  $R^1$  and  $R^2$  is hydrogen.
33. (Previously Presented) A compound of claim 1 wherein each of  $R^3$  and  $R^4$  is hydrogen.

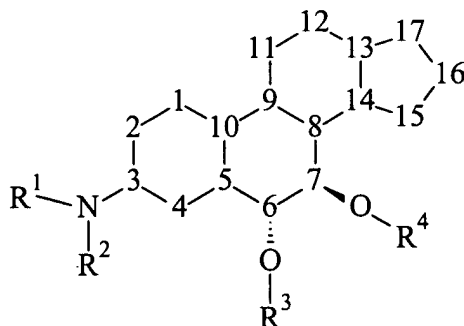


34. (Cancelled)

35. (Previously Presented) A compound of claim 1 wherein  $R^3$  and  $R^4$  together form a ketal of the structure



36. (Previously Presented) A compound of claim 1 wherein  $-OR^3$  and  $-OR^4$  have the stereochemistry shown



37. (Original) A compound of claim 1 wherein  $-N(R^1)(R^2)$  is in a salt form.

38. (Original) A compound of claim 1 wherein  $-N(R^1)(R^2)$  is in a salt form and the salt is a halogen or acetate salt.

39.-40. (Cancelled)

41. (Currently Amended) A compound of claim 1 wherein at least one of the carbons at numerals 10 and 13 ~~are~~is substituted with methyl.

42. (Original) A compound of claim 1 wherein each of R<sup>1</sup> and R<sup>2</sup> are independently selected from hydrogen and organic groups having 1-20 carbons and optionally containing 1-5 heteroatoms selected from nitrogen, oxygen, silicon, and sulfur.

43. (Currently Amended) A compound of claim 1 wherein R<sup>1</sup> and R<sup>2</sup> are independently selected from hydrogen, R<sup>8</sup>, R<sup>9</sup>, R<sup>10</sup>, R<sup>11</sup> and R<sup>12</sup> where R<sup>8</sup> is selected from alkyl, heteroalkyl, aryl and heteroaryl; R<sup>9</sup> is selected from (R<sup>8</sup>)<sub>r</sub>-alkylene, (R<sup>8</sup>)<sub>r</sub>-heteroalkylene, (R<sup>8</sup>)<sub>r</sub>-arylene and (R<sup>8</sup>)<sub>r</sub>-heteroarylene; R<sup>10</sup> is selected from (R<sup>9</sup>)<sub>r</sub>-alkylene, (R<sup>9</sup>)<sub>r</sub>-heteroalkylene, (R<sup>9</sup>)<sub>r</sub>-arylene, and (R<sup>9</sup>)<sub>r</sub>-heteroarylene; R<sup>11</sup> is selected from (R<sup>10</sup>)<sub>r</sub>-alkylene, (R<sup>10</sup>)<sub>r</sub>-heteroalkylene, (R<sup>10</sup>)<sub>r</sub>-arylene, and (R<sup>10</sup>)<sub>r</sub>-heteroarylene, R<sup>12</sup> is selected from (R<sup>11</sup>)<sub>r</sub>-alkylene, (R<sup>11</sup>)<sub>r</sub>-heteroalkylene, (R<sup>11</sup>)<sub>r</sub>-arylene, and (R<sup>11</sup>)<sub>r</sub>-heteroarylene, and r is selected from 0, 1, 2, 3, 4 and 5, ~~with the proviso that R<sup>1</sup> and R<sup>2</sup> may join to a common atom so as to form a ring with the common atom.~~

44. (Currently Amended) A compound of claim 43 wherein R<sup>3</sup> and R<sup>4</sup> are selected from hydrogen and protecting groups such that R<sup>3</sup> and/or R<sup>4</sup> is part of hydroxyl protecting group;

carbons at numerals 1, 2, 4, 11, 12, 15 and 16 are each substituted with two hydrogens unless said carbon is part of an unsaturated bond;

carbons at numerals 5, 8, 9 and 14 are each substituted with one hydrogen unless said carbon is part of an unsaturated bond;

carbon at numeral 10 is substituted with methyl;

carbon at ~~number~~numeral 13 is substituted with methyl unless ~~it~~said carbon is part of an unsaturated bond;

~~carbon at numeral 17 is substituted with~~

(a) ~~one of: =C(R<sup>5</sup>)(R<sup>5</sup>) and =C=C(R<sup>5</sup>)(R<sup>5</sup>); or~~

(b) — two of  $R^5$ ;

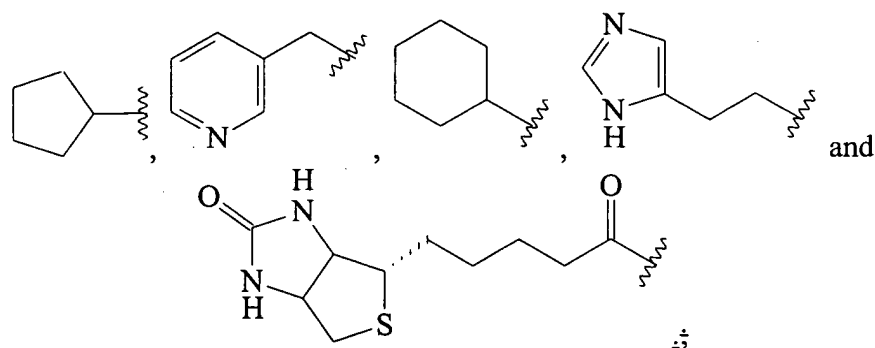
each of rings A, B, C and D is independently fully saturated or partially saturated;

and

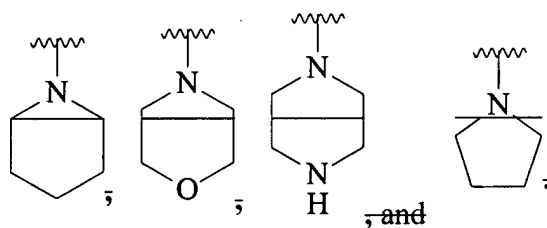
$R^5$  at each occurrence is independently selected from H and  $C_{1-10}$  hydrocarbons.

45. (Currently Amended) A compound of claim 44 wherein  $R^1$  and  $R^2$  are independently selected from hydrogen,  $R^8$ ,  $R^9$ ,  $R^{10}$ ,  $R^{11}$  and  $R^{12}$  where  $R^8$  is selected from  $C_{1-10}$ alkyl,  $C_{1-10}$ heteroalkyl comprising 1, 2 or 3 heteroatoms,  $C_{6-10}$ aryl and  $C_{3-15}$ heteroaryl comprising 1, 2 or 3 heteroatoms;  $R^9$  is selected from  $(R^8)_r-C_{1-10}$ alkylene,  $(R^8)_r-C_{1-10}$ heteroalkylene comprising 1, 2 or 3 heteroatoms,  $(R^8)_r-C_{6-10}$ arylene and  $(R^8)_r-C_{3-15}$ heteroarylene comprising 1, 2 or 3 heteroatoms;  $R^{10}$  is selected from  $(R^9)_r-C_{1-10}$ alkylene,  $(R^9)_r-C_{1-10}$ heteroalkylene comprising 1, 2 or 3 heteroatoms,  $(R^9)_r-C_{6-10}$ arylene, and  $(R^9)_r-C_{3-15}$ heteroarylene comprising 1, 2 or 3 heteroatoms;  $R^{11}$  is selected from  $(R^{10})_r-C_{1-10}$ alkylene,  $(R^{10})_r-C_{1-10}$ heteroalkylene comprising 1, 2 or 3 heteroatoms,  $(R^{10})_r-C_{6-10}$ arylene, and  $(R^{10})_r-C_{3-15}$ heteroarylene comprising 1, 2 or 3 heteroatoms,  $R^{12}$  is selected from  $(R^{11})_r-C_{1-10}$ alkylene,  $(R^{11})_r-C_{1-10}$ heteroalkylene comprising 1, 2 or 3 heteroatoms,  $(R^{11})_r-C_{6-10}$ arylene, and  $(R^{11})_r-C_{3-15}$ heteroarylene comprising 1, 2 or 3 heteroatoms, and r is selected from 0, 1, 2, 3, 4 and 5, with the proviso that  $R^1$  and  $R^2$  may join to a common atom so as to form a ring with the common atom.

46. (Currently Amended) A compound of claim 45 wherein  $R^1$  and  $R^2$  are selected from hydrogen,  $CH_3-$ ,  $CH_3(CH_2)_2-$ ,  $CH_3(CH_2)_4-$ ,  $CH_3CO-$ ,  $C_6H_5CO-$ ,  $(CH_3)_2CHSO_2-$ ,  $C_6H_5SO_2-$ ,  $C_6H_5NHCO-$ ,  $CH_3(CH_2)_2NHCO-$ ,  $CH_3(CH_2)_2NH(CH_2)_2-$ ,  $(CH_3)_2N(CH_2)_2-$ ,  $HOCH_2CH_2-$ ,  $HOCH_2(CH_2)_4-$ ,  $HOCH_2CH_2NHCH_2CH_2-$ , 3- $(CH_3)C_6H_4-$ , 4- $(HO)C_6H_4-$ , 4- $(H_2NSO_2)C_6H_4-$ , 4- $((CH_3)_2CH)C_6H_4-CH_2-$ , 2- $(F)C_6H_4-CH_2-$ , 3- $(CF_3)C_6H_4-CH_2-$ , 2- $(CH_3O)C_6H_4-CH_2-$ , 4- $(CF_3O)C_6H_4-CH_2-$ , 3- $(C_6H_5O)C_6H_4-CH_2-$ , 3- $(NO_2)C_6H_4-CH_2-$ ,



or  $R^1$  and  $R^2$  may join together with the nitrogen to which they are both attached and form a heterocycle selected from:



47.-52. (Cancelled)

53. (Previously Presented) A pharmaceutical composition comprising a compound of claim 1 and a pharmaceutically acceptable carrier, excipient or diluent.

54. (Previously Presented) A method of treating inflammation therapeutically comprising administering to a subject in need thereof a therapeutically-effective amount of a compound of claim 1.

55. (Previously Presented) A method of treating inflammation prophylactically comprising administering to a subject in need thereof a prophylactically-effective amount of a compound of claim 1.

56. (Previously Presented) A method of treating asthma comprising administering to a subject in need thereof a therapeutically-effective amount of a compound of claim 1.

57. (Currently Amended) A method of treating allergic disease ~~including but not limited to~~ selected from dermal and ocular indications comprising administering to a subject in need thereof a therapeutically-effective amount of a compound of claim 1.

58. (Previously Presented) A method of treating chronic obstructive pulmonary disease comprising administering to a subject in need thereof a therapeutically-effective amount of a compound of claim 1.

59. (Previously Presented) A method of treating atopic dermatitis comprising administering to a subject in need thereof a therapeutically-effective amount of a compound of claim 1.

60.-63. (Cancelled)